

06/04/01

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PTO/SB/05 (11-00)

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UTILITY  
PATENT APPLICATION  
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 180/104/2

First Inventor Haifan Lin

Title See 1 in Addendum

Express Mail Label No. EK580268392US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 182]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 14]  
[Total Pages 2]
5. Oath or Declaration
  - a. ☒ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 18 completed)
    - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

## ADDRESS TO:

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a. ☒ Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☒ paper
  - c. ☒ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement of Power of Attorney (when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other: \_\_\_\_\_

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☒ Continuation-in-part (CIP)

Prior application information: Examiner \_\_\_\_\_ of prior application No.: PCT / US99/28764

Group Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label

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or ☐ Correspondence address below

Name

PATENT TRADEMARK OFFICE

Address

State

Zip Code

City

Telephone

Fax

Country

Registration No. (Attorney/Agent) 39,395

Name (Print/Type)

Arles A. Taylor, Jr.

Date

June 4, 2001

Signature

Arles A. Taylor, Jr.

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# FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

(\$1543.00)

## Complete if Known

Application Number

Filing Date

First Named Inventor

Haifan Lin

Examiner Name

Group Art Unit

Attorney Docket No.

180/104/2

## METHOD OF PAYMENT

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

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Deposit  
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Name

☐ Charge Any Additional Fee Required  
Under 37 CFR 1.16 and 1.17

☒ Applicant claims small entity status.  
See 37 CFR 1.27

2. ☒ Payment Enclosed:

☒ Check ☐ Credit card ☐ Money  
Order ☐ Other

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
101 710	201 355	Utility filing fee	355
106 320	206 160	Design filing fee	
107 490	207 245	Plant filing fee	
108 710	208 355	Reissue filing fee	
114 150	214 75	Provisional filing fee	

SUBTOTAL (1) (\$355.00)

### 2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
97	-20** = 77	9	693
12	-3** = 9	40	360
		135	135

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
103 18	203 9	Claims in excess of 20
102 80	202 40	Independent claims in excess of 3
104 270	204 135	Multiple dependent claim, if not paid
109 80	209 40	** Reissue independent claims over original patent
110 18	210 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$1188.00)

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
105 130	205 65	Surcharge - late filing fee or oath	
127 50	227 25	Surcharge - late provisional filing fee or cover sheet	
139 130	139 130	Non-English specification	
147 2,520	147 2,520	For filing a request for ex parte reexamination	
112 920*	112 920*	Requesting publication of SIR prior to Examiner action	
113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action	
115 110	215 55	Extension for reply within first month	
116 390	216 195	Extension for reply within second month	
117 890	217 445	Extension for reply within third month	
118 1,390	218 695	Extension for reply within fourth month	
128 1,890	228 945	Extension for reply within fifth month	
119 310	219 155	Notice of Appeal	
120 310	220 155	Filing a brief in support of an appeal	
121 270	221 135	Request for oral hearing	
138 1,510	138 1,510	Petition to institute a public use proceeding	
140 110	240 55	Petition to revive - unavoidable	
141 1,240	241 620	Petition to revive - unintentional	
142 1,240	242 620	Utility issue fee (or reissue)	
143 440	243 220	Design issue fee	
144 600	244 300	Plant issue fee	
122 130	122 130	Petitions to the Commissioner	
123 50	123 50	Processing fee under 37 CFR 1.17(q)	
126 180	126 180	Submission of Information Disclosure Stmt	
581 40	581 40	Recording each patent assignment per property (times number of properties)	
146 710	246 355	Filing a submission after final rejection (37 CFR § 1.129(a))	
149 710	249 355	For each additional invention to be examined (37 CFR § 1.129(b))	
179 710	279 355	Request for Continued Examination (RCE)	
169 900	169 900	Request for expedited examination of a design application	

Other fee (specify)

(\$0.00)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$0.00)

SUBMITTED BY

Name (Print/Type)

Arles A. Taylor, Jr.

Signature

Arles A. Taylor, Jr.

Registration No.  
(Attorney/Agent)

39,395

Complete (if applicable)

Telephone

(919)493-8000

Date

June 4, 2001

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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JENKINS & WILSON, P.A.

PATENT ATTORNEYS

SUITE 1400 UNIVERSITY TOWER

3100 TOWER BOULEVARD

DURHAM, NORTH CAROLINA 27707

TELEPHONE (919) 493-8000

FACSIMILE (919) 419-0383

WEBSITE

JENKINSANDWILSON.COM

RALEIGH OFFICE

NCSU CENTENNIAL CAMPUS

VENTURE II SUITE 400

920 MAIN CAMPUS DRIVE

RALEIGH, NORTH CAROLINA 27606

TELEPHONE (919) 424-3710

FACSIMILE (919) 424-3711

RICHARD E. JENKINS  
JEFFREY L. WILSON  
ARLES A. TAYLOR, JR.

JENNIFER L. SKORD

DAVID P. GLOEKLER

GREGORY A. HUNT

JOHN A. LAMERDIN, Ph.D. (PATENT AGENT)

DAVID P. STITZEL (PATENT AGENT)

JULIE A. BROADUS, PhD. (PATENT AGENT)

E. ERIC MILLS, P.E. (PATENT AGENT)

June 4, 2001

"Express Mail" mailing number.: EK580268392US

Date of Deposit 6-4-01

I hereby certify that this paper or fee is being deposited with the United States \_\_\_\_\_ Mail Post Office to Addressee" service under 37 C.F.R.

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1.10 on the date indicated above and is add

Patent and Trademarks, Washington, D.C.

Patent and Trade  
Amy J. Martin

Commissioner for Patents  
BOX PATENT APPLICATION  
Washington, D.C. 20231

Re: U.S. Patent Application for PURIFIED AND ISOLATED *piwi* FAMILY GENES AND GENE PRODUCTS AND THERAPEUTIC AND SCREENING METHODS USING SAME  
Our File No. 180/104/2

Sir:

Please find enclosed the following:

1. A U.S. patent application for PURIFIED AND ISOLATED *piwi* FAMILY GENES AND GENE PRODUCTS AND THERAPEUTIC AND SCREENING METHODS USING SAME (182 pages);
2. Fourteen (14) sheets of formal drawings;
3. Unexecuted Declaration (2 pages);
4. Utility Patent Application Transmittal Form (Form PTO/SB/05, 2 pages);
5. Fee Transmittal Form (Form PTO/SB/17) in duplicate;
6. Sequence Listing in paper and computer readable form;
7. Statement That Sequence Listing and Computer Readable copy are the Same;
8. A check in the amount of \$1543.00 to cover the application filing fee;

Commissioner for Patents  
June 4, 2001  
Page 2

9. A return-receipt postcard to be returned to our offices with the U.S. Patent and Trademark Office date stamp thereon; and
10. A Certificate of Express Mail No.: EK580268392US.

Please contact our offices if there are any questions.

Although a check is being submitted, the Commissioner is hereby authorized to charge any deficiency or credit any overpayment associated with the filing of this correspondence to Deposit Account Number 50-0426.

Respectfully submitted,

JENKINS & WILSON, P.A.



Arles A. Taylor, Jr.  
Registration No. 39,395  
Customer No.: 25297

AAT/ajm

Enclosures

09637 050401  
T04090" 2E/E 2B60